

FBLIM1 (h2): 293T Lysate: sc-171301

BACKGROUND

FBLIM1 (Filamin binding LIM protein 1), also known as CAL (CSX-associated LIM), Mig-2-interacting protein or Migfilin, is a cytoplasmic protein that belongs to the LIM superfamily. Three isoforms exist for FBLIM1 due to alternative splicing events; namely FBLP-1A, FBLP-1 and FBLP-1B. All three isoforms are expressed in pancreas, kidney, placenta, lung, platelets and heart, while FBLP-1 is also expressed in brain and skeletal muscle. Depending on the isoform, FBLIM1 contains a proline-rich domain and two or three C-terminal LIM zinc-binding domains. FBLIM1 specifically localizes to cell-matrix adhesion sites and, via its C-terminus, interacts with Mig-2 functioning as an important scaffold protein. Via its N-terminus, FBLIM1 interacts with Filamin 3 and provides an anchoring site for Actin filaments, linking cell-matrix adhesions with the Actin cytoskeleton. In addition, FBLIM1 is capable of translocating to the nucleus and regulating gene expression.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: FBLIM1 (human) mapping to 1p36.21.

PRODUCT

FBLIM1 (h2): 293T Lysate represents a lysate of human FBLIM1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

FBLIM1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive FBLIM1 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.